## STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

					DIVISION O		GAS AND MI				AMEND	ED REPOR			
APPLICATION FOR PERMIT TO DRILL										1. WELL NAME and NUMBER BONANZA 1023-18J1BS					
2. TYPE OF WORK  DRILL NEW WELL REENTER P&A WELL DEEPEN WELL										3. FIELD OR WILDCAT  NATURAL BUTTES					
4. TYPE OF WELL  Gas Well Coalbed Methane Well: NO										5. UNIT or COMMUNITIZATION AGREEMENT NAME PONDEROSA					
6. NAME OF OPERATOR  KERR-MCGEE OIL & GAS ONSHORE, L.P.										7. OPERATOR PHONE 720 929-6515					
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217										9. OPERATOR E-MAIL julie.jacobson@anadarko.com					
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU38421  11. MINERAL OWNERSHIP FEDERAL INDIAN								)	FEE 🔵	12. SURFACE OWNERSHIP FEDERAL INDIAN STATE FEE					
13. NAME	OF SURFACE	OWNER (if box 12 =	14. SURFACE OWNER PHONE (if box 12 = 'fee')												
15. ADDR	ESS OF SURFA		16. SURFACE OWNER E-MAIL (if box 12 = 'fee')												
17. INDIAN ALLOTTEE OR TRIBE NAME MULTIPLE FORMATIONS MULTIPLE FORMATIONS							PRODUCTION	FRO	М	19. SLANT					
(IT DOX 12 = INDIAN)									NO VERTICAL DIRECTIONAL HORIZONTAL						
20. LOCATION OF WELL					OTAGES		QTR-QTR		SECTION	TOWNSHIP	RANGE		MERIDIAN		
LOCATION AT SURFACE 2246 F					NL 2502 FWL		SENW		18	10.0 S	23.	23.0 E		S	
Top of Uppermost Producing Zone 2473 f					SL 1658 FEL		NWSE		18	10.0 S	23.	23.0 E		s	
At Total	Depth	1658 FEL	NWSE			18 10.0 S		23.	23.0 E S		S				
21. COUNTY  UINTAH  22. DISTANCE TO NEAREST LEASE LINE (Feet) 1658  23. NUMBER OF ACRES IN DRILLING UNIT 637															
25. DISTANCE TO NEAREST WELL IN SA (Applied For Drilling or Completed) 986								POOI	POOL 26. PROPOSED DEPTH  MD: 8399 TVD: 8198						
27. ELEVATION - GROUND LEVEL 28. BOND NUMBER										29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE					
								000291 43-8496							
String	Hole, Casing, and Cement Information  String   Hole Size   Casing Size   Length   Weight   Grade & Thread   Max Mud Wt.   Cement   Sacks   Yield											Yield	Weight		
Surf	11	8.625	0 - 2160	28.0	J-55 LT8	kC	0.2		Type V			180	1.15	15.8	
										Class G		270	1.15	15.8	
Prod	7.875	4.5	0 - 8399	11.6	I-80 LT8	&C	12.5	5	Pren	50/50 Poz		270	3.38	12.0	
ATTACHMENTS														14.5	
						114011	IIII LIVIO								
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES															
WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER							COMPLETE DRILLING PLAN								
AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)								FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER							
<b>☑</b> DIF	RECTIONAL SUF	RVEY PLAN (IF DIRE	CTIONALLY OR	HORIZO	ONTALLY DRILLED	TOPOGRAPHICAL MAP									
NAME Danielle Piernot TITLE Regulatory Analyst							PHONE 720 929-6156								
SIGNATURE DATE 08/27/2012							EMAIL danielle.piernot@anadarko.com								
API NUMBER ASSIGNED APPROVAL 43047530420000							Permit Manager								
										111					

## T10S, R23E, S.L.B.&M. S89°24'W - 39.86 (G.L.O.) S89°21'10"W - 2630.50' (Meas. N89°41'W - 39.95 (G.L.O.) N89°44'46"W - 2636.61' (Meas.) 20.105 (G.L.O.) 19.755 (G.L.O.) Found 1995 Found 1995 Found 1991 Aluminum Aluminum Cap in Aluminum Cap in Pile of Stones. Pile of Stones. Cap in Pile of Stones. Fence Post on East (Meas. side of Cap. N00°02'E - 40.14 (G.L.O.) 00'51"W - 2649.55' (Meas. **WELL LOCATION:** LOT 1 **BONANZA 1023-18|1BS** ELEV. UNGRADED GROUND = 5324.1' . Щ 11'05"| LOT 2 Well Surface N00°16'E - 80.34 (G.L.O.) Position W.C. S00°16'W 25021 1.00 (G.L.O.) W.C. Found 1995 Aluminum Cap in pile of stones. Found 1995 1658 Aluminum Cap. Fence Post on Bottom of N00°11'14"E (Basis of Bearings) South side of Cap N00°02'E - 40.02 (G.L.O.) N00°00'58"W - 2640.95' (Meas. LOT 3 2717.40' (Measured) BONANZA 1023-18J1BS (Surface Position) NAD 83 LATITUDE = 39.950081° (39° 57' 00.292") LONGITUDE = 109.369967° (109° 22' 11.881") NAD 27 LATITUDE = 39.950115° (39° 57' 00.415") LONGITUDE = 109.369288° (109° 22' 09.435' BONANZA 1023-18J1BS (Bottom Hole) NAD 83 LATITUDE = 39.948404° (39° 56' 54.254") LONGITUDE = 109.366056° (109° 21' 57.800") NAD 27 LATITUDE = 39.948438° (39° 56' 54.376") LONGITUDE = 109.365377° (109° 21' 55.356") LOT 4 Found 1991 Aluminum Cap. Found 1995 Found 1995 Pile of Stones. Aluminum Cap in Aluminum Cap in 19.455 (G.L.O.) Pile of Stones. Pile of Stones 19.755 (G.L.O.) N89°33'26"W - 2587.43' (Meas.) N89°26'57"E - 2661.07' (Meas.) S89°31'W - 40.31 (G.L.O.) N89°30'W - 39.21 (G.L.O.) **NOTES:** = Section Corners Located 1. Well footages are measured at right angles to the SCALE Section Lines. 2. G.L.O. distances are shown in feet or chains. SURVEYOR'S CERTIFICATE 1 chain = 66 feet. 3. The Bottom of hole bears \$60°56'04"E 1255.68' THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED from the Surface Position. FROM FIELD NOTES OF ACTUAL SURVEYSMARDE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE 4. Bearings are based on Global Positioning Satellite observations. AND CORRECT TO THE BEST OF AN KNOWLEDGE AND BELIEF. 5. Basis of elevation is Tri-Sta "Two Water" located in the NW $\frac{1}{4}$ of Section 1, T10S, R21E, S.L.B.&M. The elevation of this Tri-Sta is shown on the Big Pack Mtn NE 7.5 Min. Quadrangle as being 5238'. GISTRATION NO 6028691 Kerr-McGee Oil & Gas Onshore, LP STATE OF UTAPPORTURE 1099 18th Street - Denver, Colorado 80202 (435) 789-1365 **WELL PAD: BONANZA 1023-18F** TIMBERLINE ENGINEERING & LAND SURVEYING, INC. **BONANZA 1023-18J1BS** 209 NORTH 300 WEST - VERNAL, UTAH 84078 **WELL PLAT** DATE SURVEYED: CONSULTING, LLC SHEET NO: SURVEYED BY: M.S.B. 10-19-11 2473' FSL, 1658' FEL (Bottom Hole) 2155 North Main Street DATE DRAWN: Sheridan WY 82801 DRAWN BY: T.J.R. NW $\frac{1}{4}$ SE $\frac{1}{4}$ OF SECTION 18, T10S, R23E, 11-09-11 Phone 307-674-0609 Date Last Revised: S.L.B.&M., UINTAH COUNTY, UTAH. SCALE: 1" = 10001 9 OF 27 Fax 307-674-0182